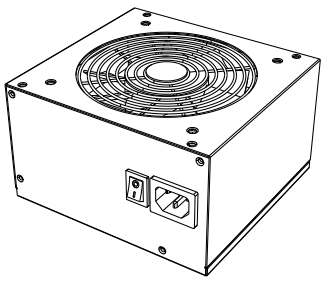
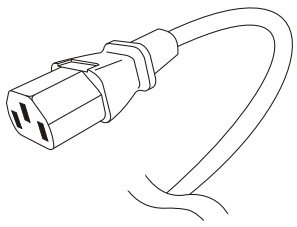
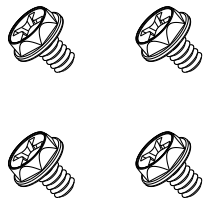
Package Content



PSU

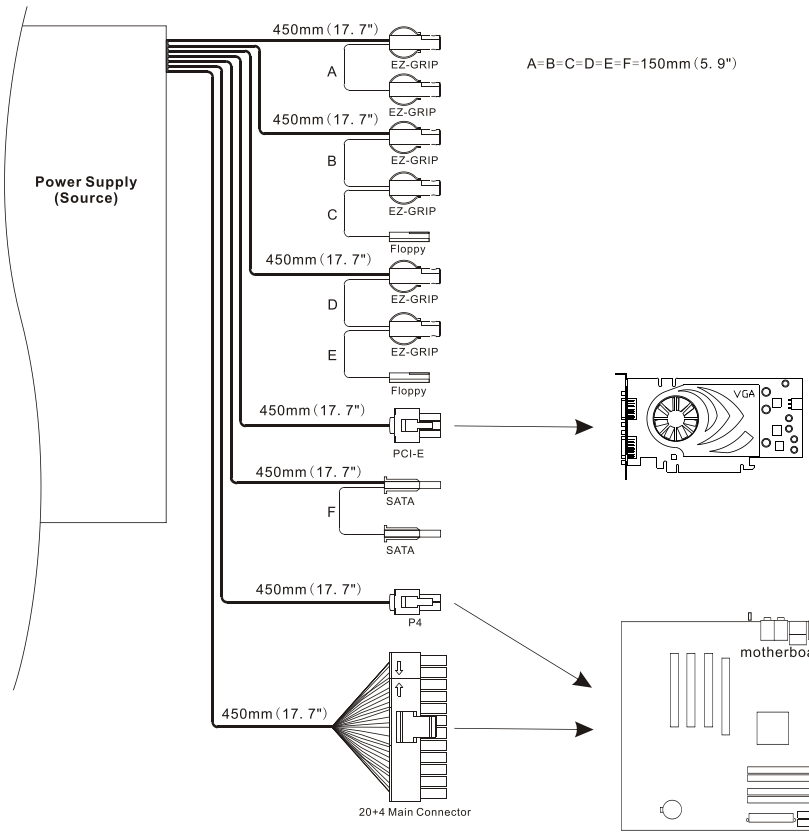


Power Cord



Screws

HPU-4S435-xx Cable Configuration:



The drawings shown are for illustration only and may differ slightly from the actual product

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Standard Series

For HPU-4S435-xx

User's Guide
Manuel d'utilisation
使用说明书
使用說明書
取扱説明書
사용자 안내서
Benutzerhandbuch
Guida all'uso
Guía del usuario
Guia do Utilizador
Руководство пользователя
Podręcznik Użytkownika
Användarhandbok
Kullanım Kılavuzu
Felhasználói útmutató
مرشد لمستعمل
راهنمای کاربران
Bruker Guide

RoHS compliance

Printed on recycled paper

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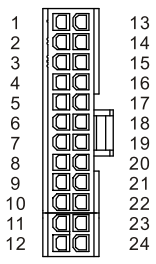
Color, pin, and signal assignment of output power connectors:

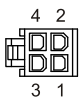
ATX Main Power Connector, 24 pin (24 to 20pin compatible)

Pin	Color	Wire Size	Signal	Pin	Color	Wire Size	Signal
1	Orange	UL 1007 #18	+3.3V	13	Orange	UL 1007 #18	+3.3Vdc
					Brown	UL 1007 #22	+3.3Vs.
2	Orange	UL 1007 #18	+3.3V	14	Blue	UL 1007 #20	-12V
3	Black	UL 1007 #18	COM	15	Black	UL 1007 #18	COM
4	Red	UL 1007 #18	+5V	16	Green	UL 1007 #22	PS-ON
5	Black	UL 1007 #18	COM	17	Black	UL 1007 #18	COM
6	Red	UL 1007 #18	+5V	18	Black	UL 1007 #18	COM
7	Black	UL 1007 #18	COM	19	Black	UL 1007 #18	COM
8	Gray	UL 1007 #20	PG	20	N.C.		
9	Purple	UL 1007 #18	+5Vsb	21	Red	UL 1007 #18	+5V
10	Yellow	UL 1007 #18	+12V2	22	Red	UL 1007 #18	+5V
11	Yellow	UL 1007 #18	+12V2	23	Red	UL 1007 #18	+5V
12	Orange	UL 1007 #18	+3.3V	24	Black	UL 1007 #18	COM



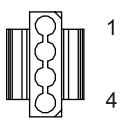
+12V Power Connector (P4), 4 pin

Pin	18 AWG Wire	Signal
1	Black	COM
2	Black	COM
3	Yellow/Black	+12V1DC
4	Yellow/Black	+12V1DC



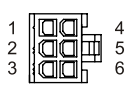
Peripheral Power Connector (Molex), 4 pin

Pin	18 AWG Wire	Signal
1	Yellow	+12V2DC
2	Black	COM
3	Black	COM
4	Red	+5VDC



PCI-E Power Connector, 6 pin

Pin	18 AWG Wire	Signal
1	Yellow/Black	+12V1DC
2	Yellow/Black	+12V1DC
3	Yellow/Black	+12V1DC
4	Black	COM
5	Black	COM
6	Black	COM

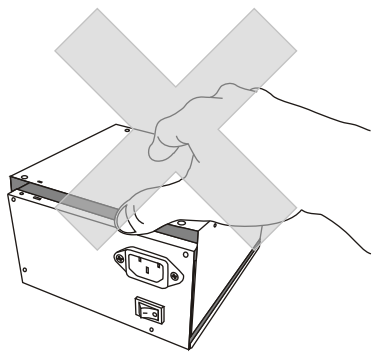


Serial ATA Power Connector, 15 pin

Pin	18 AWG Wire	Signal
1-3	Orange	+3.3V
4-6	Black	COM
7-9	Red	+5V
10-12	Black	COM
13-15	Yellow	+12V2

Floppy Drive Power Connector, 4 pin

Pin	22 AWG Wire	Signal
1	Yellow	+12V2DC
2	Black	COM
3	Black	COM
4	Red	+5VDC



⚠ Do not open the top cover to avoid electrical shock or possible injury.

⚠ For US model it is 100-120V, for EU model it is 200-240V. Please do not use the incorrect model for your area in terms of voltage as it might damage the PSU.

Specifications

Specification	Description	HPU-4S435-xx
Wattage	Rated Wattage	435 Watts
	Peak Load	480 Watts
Switch Type	Manual	Rocker
	Auto Standby	ATX Logic
Fan	120 mm - R.P.M.	1000 ~ 2000 R.P.M.
	120 mm - Type	Sleeve Bearing
Input Parameter	Voltage Range	200-240 V
	Current	4A
	Voltage Range (for US model)	100-120V
	Current (for US model)	10A
	Frequency Range	50-60 Hz
ATX	Form Factor	2.2
Efficiency	Average	up to 80%
Output Parameter	+5V	2A - 30A
	+12V 1	2A - 16A
	+12V 2	2A - 16A
	-12V	0A - 0.8A
	+5VSB	0A - 2.5A
	+3.3V	1A - 28A
Regulation	+5V	+/- 5%
	+12V 1	+/- 5%
	+12V 2	+/- 5%
	-12V	+/- 10%
	+5VSB	+/- 5%
	+3.3V	+/- 5%
Output Load Regulation	+12V 1 & +12V 2	< 300 W
	+3.3V & +5V	< 150 W
	+3.3V, +5V & +12V	< 413 W
Output Voltage Protection	+3.3V	< 4.3V
	+5V	< 7.0V
	+12V	< 15.6V
Power Good Signal	Rise Time	< 20 ms
	Signal On	100 - 500 ms
	Signal Off	< 1 ms
	Power Hold	17 ms min
PFC	Power Factor Correction	Active (N/A for US model)
Unit Size	Dimension	150 x 140 x 86 mm
		5.9" x 5.5" x 3.4"
Weight	Net Weight	1.9 kg

* Features and specifications are subject to change without prior notice.

Warranty Information

High Performance Group guarantees that this device is free of defect in material & workmanship, and provides three-year RTB warranty for the device, commencing form the date of purchase. Please keep your receipt in a safe place.

This product is designed for computer usage only. Using this device in any other application will void the warranty. If please ask for professional assistance.

The warranty is offered to the device caused by normal use. The warranty is void if determined that the device is damaged because of abuse, alteration, misuse, negligence, incorrect voltage supply, air /water pollution accidents and natural calamities.

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